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MAY 2 1 1993

Winston-Salem Regional Office

April 28, 1993

Montgomery Ward and Co., Inc. 140 Clearwater Mall Clearwater, FL 34624

Attention:

Mr. Ted Strand

Subject:

Report of Underground Storage Tank Removal

Montgomery Ward Auto Center

Carolina Circle Mall

Greensboro, North Carolina

Law Engineering Job No. 259-00424-01

Dear Mr. Strand:

As authorized by your acceptance of our Proposal Number PGB-032E3 dated January 25, 1993, Law Engineering is pleased to submit our Report of Underground Storage Tank Removal for the Montgomery Ward Auto Service Center in Greensboro, North Carolina. Included in this report is a description of our activities, the results obtained and our conclusions and recommendations.

Law Engineering appreciates the opportunity to serve as your environmental consultant on this project. We will call you in several days to discuss this report.

Sincerely,

LAW ENGINEERING, INC.

Slegnen J. Gosselin Project Geologist

James D. Rudder, Jr., P.G.

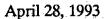
Principal Geologist

LAW ENGINEERING, INC-7347-F WEST FRIENDLY AVENUE GREENSBORO, NC 27410



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1.0 PROJECT INFORMATION

The site is located at 100 Carolina Circle Mall in Greensboro, North Carolina. The site is currently operated as a retail sales and automotive service facility.

One 2000 gallon fiberglass underground tank (UST) previously used to collect waste oil generated from automotive services was located at the site. The tank was covered with a four feet by four feet square layer of non-reinforced concrete having an approximate thickness of four inches. The tank was installed in 1976.

Mr. Ted Strand of Montgomery Ward contracted Law Engineering to remove the UST after receiving a notice of compliance for leak detection from the North Carolina Department of Environment, Health, and Natural Resources (notice dated December 16, 1992).

At the request of Mr. Strand, Law Engineering conducted a pre-bid meeting with at least three subcontractors experienced in UST excavation and removal. Those subcontractors and their bids were as follows:

SUBCONTRACTOR	BID
Reich Grading	\$3,000.00
DAACO, Inc.	\$3,492.52
Arnold & Assoc.	No Bid



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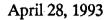
The above information was developed from conversations between Mr. Steve Gosselin of Law Engineering and Mr. Ted Strand of Montgomery Ward, Inc.

2.0 CONTRACTED SCOPE OF SERVICES

Law Engineering was contracted to complete the following scope of services:

UST REMOVAL AND CONFIRMATION SAMPLING

- Prior to UST excavation activities, we would submit any necessary UST closure notifications to the appropriate state and local agencies.
- We would prepare a Site Specific Health and Safety Plan for the proposed onsite activities.
- We would contract with a sub-contractor trained and experienced in similar projects to perform the excavation and backfill activities.
- We would remove and dispose of one 2000 gallon UST formerly used to store waste oil. A certificate of appropriate disposal would be provided.
- The excavated subsurface material would be stockpiled adjacent to the excavation pending sample collection and analysis.





- We would collect up to two soil samples from beneath the UST. One duplicate sample would be collected for quality control purposes. The samples would be screened in the field with an organic vapor analyzer (OVA) to assess for the presence or absence of detectable volatile organic compounds.
- Each sample collected would be appropriately preserved and shipped to Law Environmental National Laboratories (LENL) in Kennesaw, Georgia. LENL would analyze the samples for oil and grease (EPA Method 9071), semi-volatile priority pollutants (EPA Method 8270), volatile priority pollutants (EPA Method 8240) and metals using the toxicity characteristic leaching procedure (TCLP).
- After receiving the analytical results, we would backfill the excavation. The
 excavation would be backfilled with clean fill material placed in thin lifts and
 compacted to at least 95 percent of the standard Proctor maximum dry density
 (ASTM D698). Law Engineering would perform standard Proctors on all
 potential fill material. Compaction monitoring would be performed during the
 backfilling activities.
- We would replace the concrete pavement removed to access the UST system with asphalt (i.e., minimum of two inches of asphalt).
- We would prepare a written report which describes our field activities, the results obtained, and our conclusions and recommendations.



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3.0 UST REMOVAL ACTIVITIES

3.1 Site Description

The site is located at 100 Carolina Circle Mall in a commercially developed section of Greensboro, North Carolina. The site is currently being utilized as a retail sales and automotive service center. Water and sewer facilities at the site are provided by the City of Greensboro.

3.2 UST Excavation

The ground surface at the location consisted of a four feet by four feet square layer of non-reinforced concrete approximately four inches thick. This concrete pad was surrounded by two-inch thick asphalt paving. The top of the UST was approximately three feet below the ground surface. The site soils were characterized as a medium to coarse yellow sand (fill material) to the final excavation depth of approximately 12 feet.

Law Engineering subcontracted with Reich Grading, Inc. of Winston-Salem, North Carolina to perform the on-site UST excavation and removal activities. Product in the tank was removed from the tank prior to excavation.

Excavation and removal of the 2000 gallon waste oil UST was conducted on March 25, 1993. A backhoe was utilized to complete the excavation and removal activities. After removing the



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waste oil UST from the ground, the UST was transported to Safeway Tank Disposal in Colfax, North Carolina. Underground piping associated with the UST was removed and disposed of following completion of the UST excavation activities. A copy of the certificate of disposal for the UST is included in the Appendix.

During UST excavation activities, the soils surrounding the UST and associated piping were excavated and stockpiled on plastic (on site) pending laboratory test results.

3.3 UST Confirmation Sampling

During UST excavation activities, one soil sample (E-1, Figure 2) was collected from the excavation. Because the UST was less than six feet in length, the sample was collected from material directly below the center of the former UST.

The soil sample was manually collected from the bucket of the on-site backhoe using new disposable vinyl gloves. The soil sample was then placed into four new, four-ounce capacity clean glass containers equipped with teflon-lined screw-on caps.

After being filled, each sample container was labeled with the job name and number, the time and date of sample collection, the analysis to be performed and the absence or presence of preservative. The sample containers were then placed into a cooler. Zip-lock baggies filled with ice were placed around the sample containers in the cooler to maintain sample temperature at approximately four degrees Centigrade.



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The Chain of Custody was initiated. At the end of the sampling day, the cooler containing the sample containers was shipped via overnight express delivery to LENL. The Chain of Custody was maintained, as documented in the Appendix.

3.4 OVA Screening

Representative portions of each soil sample collected from the bucket of the backhoe were transferred into a new, clean one quart zip-lock baggy (half full) and the baggy placed in a warm location. Approximately ten minutes after the time of collection, the baggy was opened slightly, the probe of a Century 128 Organic Vapor Analyzer (OVA) inserted, and the baggy immediately resealed using finger pressure. The meter of the OVA was monitored and the reading recorded.

An OVA is useful only as a screening tool in evaluating the absence or presence of volatile organic compounds (VOCs) in soil and should not be relied upon to quantify VOCs in soil samples. The results of the OVA screening are included as Table 1.

3.5 Results of Laboratory Analysis

Soil sample E-1 was analyzed for the following parameters:

- Oil and Grease (EPA Method 9071)
- Semi-Volatile Priority Pollutants (EPA Method 8270)
- Volatile Priority Pollutants (EPA method 8240)
- TCLP Metals



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The laboratory test results for confirmation sample E-1 are as follows:

Laboratory Test Results in Soil in PPM

Parameter	Depth	Results in PPM
Oil and Grease	12 feet	11
Semi-Volatile Priority Pollutants	12 feet	ND
Volatile Priority Pollutants	12 feet	ND
Barium (TCLP Metals)	12 feet	1.1

PPM = Parts Per Million

ND = Not Detected

The laboratory data sheets are included in the Appendix.

3.6 Backfilling and Compaction Monitoring

After UST removal activities had been completed (based on results of confirmation sampling), the bottom of the excavation was lined with approximately one foot of surge stone. The remainder of the excavation was backfilled with crusher run material. A sample of the backfill material was collected and a standard Proctor was performed in accordance with ASTM D-698. A copy of the Proctor report is included in the Appendix.

The backfill material was placed in thin lifts and compacted. Based on the results of the Proctor, field tests of the compacted material indicated that fill material in the excavation was



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compacted to at least 100 percent of the standard Proctor maximum dry density. The report of the field density testing is included in the Appendix.

4.0 QUALITY ASSURANCE/QUALITY CONTROL

One duplicate soil sample was collected in the field and shipped to LENL for analysis for detectable oil and grease concentrations. The soil sample labeled duplicate was collected from sample location E-1. The analysis of this duplicate soil sample detected 24 parts per million (ppm) oil and grease. The analysis of the soil sample labeled E-1 detected 11 ppm oil and grease. This represents similar analytical results for similar samples.

5.0 CONCLUSIONS

The State of North Carolina remediation target level for oil and grease concentrations in soil is 250 ppm. For barium the remediation target level for soils is 100 ppm. Laboratory analyses of confirmation soil samples collected from beneath the UST at a depth of 12 feet detected a maximum concentration of 24 ppm oil and grease and 1.1 ppm barium.

Laboratory analyses detected no concentrations of volatile or semi-volatile priority pollutants in soil sample E-1.



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6.0 RECOMMENDATIONS

Based on laboratory analysis of confirmation soil samples collected from beneath the 2000 gallon waste oil UST, no further assessment is recommended at this time.

7.0 QUALIFICATION OF REPORT

The activities and evaluative approaches used in this project are consistent with those normally employed in hydrogeological assessments and waste management projects of this type. Our evaluation and remediation of site conditions has been based on our understanding of the site project information, and the data obtained during the underground storage tank removal and subsequent soil assessment activities.

TABLES

TABLE 1

Results of OVA Screening of Soil Samples Montgomery Ward Auto Center Greensboro, North Carolina Law Engineering Job No. 259-00424-01

SAMPLE LOCATION	PPM	DEPTH
Sidewall	ND	4 Feet
Sidewall	ND	6 Feet
Sidewall	ND	8 Feet
Beneath Tank	ND	12 Feet

ND = Not Detected

ppm = Parts Per Million

FIGURES

ALL LOCATIONS ARE APPROXIMATE. GREENSBORO, NORTH CAROLINA LAW ENGINEERING MONTGOMERY WARD AUTO-CENTER GREENSBORO, NORTH CAROLINA FIGURE SITE PLAN 269-00424-01 CAROLINA CIRCLE MALL JOB NO. SERVICE MERCHANDISE ACAD FILE MONTGS/SCALEBO/AR CIRCLE DRAWING NOT TO SCALE UST EXCAVATION SITE PARKING AREA MONTGOMERY
WARD
AUTO-CENTER LEGEND

MONTGOMERY WARD AUTO-CENTER

GARAGE BAYS

LEGEND

SOIL SAMPLE LOCATION **⊙** E-1

EXCAVATION AREA

UNDERGROUND STORAGE TANK

PARKING AREA



ALL LOCATIONS ARE APPROXIMATE.

LAW ENGINEERING

GREENSBORO, NORTH CAROLINA

SAMPLE LOCATION PLAN

MONTGOMERY WARD AUTO-CENTER GREENSBORO, NORTH CAROLINA

FIGURE

ACAD FILE MONTGS/PPLOTI /AR TOB NO. 269-00424-01

DRAWING NOT TO SCALE

APPENDIX

CERTIFICATE OF TANK DISPOSAL

Cust	R8 54	er EICH Grad 460 Lesl: Inston Sa	ie	C.	27105		Date April 29, 1993						
				•			rted by: Reich Grading						
TANK	#	SIZE	WEIGHT	PR	ODUCT	RESIDUE	ORIGIN						
6977		2,000	1150#	W.	Oil	5 gal	Montgomery Ward Auto Center						
		F.glass					Greensboro, N.C.						
					<u> </u>								
• <i>•</i> •													
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		<u></u> т	otal res	idu	ıe	5 gals							

Tanks were disposed in accordance with API 1604, 1987 Removal and Disposal of used Underground Petroleum Storage Tanks. Residue was Disposed in accordance with U.S.EPA Regulations by licensed subcontractor. Lead free scrap steel was recycled by

Piedmont Sanitary Landfill on

Bru 2 5

Date 04/02/93

Page 1

--- Project Information ---

Lab Number : 63-6653-01

Project No. : 259-00424-01

Project Name : MONTGOMERY WARD AUTO CTR

Cust. No. :

Manager: STEVE GOSSELIN

--- Sample Information ---

Station ID : E-1

Matrix : SO

Type : GRAB

Collector : RE

Cam

Sampled Date/Time: 03/25/93

Received Date/Time : 03/26/93

Received From/By : RE/ST

Chain of Custody: 18864

Number of Containers: 1

Remarks :

--- Test Data ---

Parameter	Method.	• • • •	Units	PQL	Results	Test Date	Anal
SAMPLE PREPARATION RESULTS							
Ext/TPRH/So/Sox	EPA 907	71			NA	03/29/93	JSB
Moisture (Oven Dried @ 105 C)	EPA 160	и	wt %	1	15	03/29/93	JSB
SERIES 11000							
Oil & Grease (Hydrocarbons)	EPA 907	71	mg/kg	10	11	04/02/93	JSB

signed Tenda Ham

Date 04/02/93 Page 1

--- Project Information ---

Lab Number : 63-6653-02

Project No. : 259-00424-01

Project Name : MONTGOMERY WARD AUTO CTR

Cust. No. :

Manager: STEVE GOSSELIN

--- Sample Information ---

Station ID : DUPLICATE

Matrix : SO

Type : GRAB

Collector : RE

Sampled Date/Time : 03/25/93 13:00

Received Date/Time: 03/25/93 11:00

Received From/By : RE/ST

Chain of Custody: 18864

Number of Containers: 1

Remarks:

--- Test Data ---

Parameter	Metho	d	Units	PQL	Results	Test Date	Anal
SAMPLE PREPARATION RESULTS							
Ext/TPRH/So/Sox	EPA 9	071			NA	03/29/93	JSB
Moisture (Oven Dried @ 105 C)	EPA 1	60.3M	wt %	1	15	03/29/93	JSB
SERIES 11000							
Oil & Grease (Hydrocarbons)	EPA 9	071	mg/kg	10	24	04/02/93	JSB

Signed Fenda Ham

Date 04/12/93 Page

--- Project Information ---

Lab Number : 93-5233-01

Project No. : 259-00424-01

Cust. No. :

Project Name : MONTGOMERY WARD AUTO CTR.

Manager: STEVE GOSSELIN

--- Sample Information ---

Station ID : E-1

Matrix : SO

Sampled Date/Time: 03/25/93

Received Date/Time : 03/26/93 12:50

Type : GRAB

Received From/By : ST/LD Chain of Custody: 1255

Collector : RE

Number of Containers :

Analy
JAR
JŞT
JST
JST
JST
JST
CW
JST
JST
,
BS
CW
BS
CSH
CSH
BS

Remarks:

DL = Detection Limit ND = Not Detected at the DL Unless otherwise noted, all soil test results are calculated based on dry weight.

Date 04/12/93 Page 2

Lab Number : 93-5233-01 Project No. : 259-00424-01

Parameter	Method	Units	DL	Results	Test Date	Ana
SERIES 63000						
1,2-Dichloroethene, Total	EPA 8240	ug/kg	5	ND	03/30/93	BS
Chloroform	EPA 8240	ug/kg	5	ND .	03/30/93	BS
1,2-Dichloroethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
2-Butanone (MEK)	BPA 8240	ug/kg	100	ND	03/30/93	BS
1,1,1-Trichloroethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
Carbon tetrachloride	EPA 8240	ug/kg	5	ND	03/30/93	BS
/inyl acetate	EPA 8240	ug/kg	50	ND	03/30/93	BS
Bromodichloromethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
1,2-Dichloropropane	EPA 8240	ug/kg	5	ND	03/30/93	BS
rans-1,3-Dichloropropene	EPA 8240	ug/kg	5	ND	03/30/93	BS
Crichloroethene	EPA 8240	ug/kg	5	ND	03/30/93	BS
)ibromochloromethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
l,1,2-Trichloroethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
Benzene	EPA 8240	ug/kg	5	ND	03/30/93	BS
cis-1,3-Dichloropropene	BPA 8240	ug/kg	5	ND	03/30/93	BS
2-Chloroethylvinyl ether	BPA 8240	ug/kg	10	ND	03/30/93	BS
Bromoform	EPA 8240	ug/kg	5	ND	03/30/93	BS
4-Methyl-2-pentanone	EPA 8240	ug/kg	50	ND	03/30/93	BS
2-Hexanone	EPA 8240	ug/kg	50	ND	03/30/93	BS
1,1,2,2-Tetrachloroethane	EPA 8240	ug/kg	5	ND	03/30/93	BS
[etrachloroethene	EPA 8240	ug/kg	5	ND	03/30/93	BS
Coluene	EPA 8240	ug/kg	5	ND	03/30/93	BS
Chlorobenzene	EPA 8240	ug/kg	5	ND	03/30/93	BS
Sthylbenzene	BPA 8240	ug/kg	5	ND	03/30/93	BS
Styrene	EPA 8240	ug/kg	5	ND	03/30/93	BS
Kylene, Total	EPA 8240	ug/kg	5	ND	03/30/93	BS
GC/MS ORGANIC ANALYSIS (A) RESULT						
Phenol	RPA 8270	ug/kg	330	ND	04/03/93	JBP
2-Chlorophenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
2-Methylphenol	EPA 8270	ug/kg	330	ND ·	04/03/93	JBP
4-Methylphenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
2-Nitrophenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
2,4-Dimethylphenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
Benzoic acid	EPA 8270	ug/kg	1600	ND	04/03/93	JBP
2,4-Dichlorophenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
4-Chloro-3-methylphenol	EPA 8270	ug/kg	660	ND	04/03/93	JBP
2,4,6-Trichlorophenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
2,4,5-Trichlorophenol	EPA 8270	ug/kg	330	ND	04/03/93	JBP
	EPA 8270	ug/kg	1600	ND	04/03/93	JBP
2,4-Dinitrophenol		ug/kg	1600	ND	04/03/93	JBF
2,4-Dinitrophenol 4-Nitrophenol	EPA 8270		1600	ND	04/03/93	JBF
· ·	EPA 8270 EPA 8270	ug/kg	1000		,,	
4-Nitrophenol		ug/kg ug/kg	1600	ND	04/03/93	JBF
4-Nitrophenol 4,6-Dinitro-2-methylphenol	EPA 8270				04/03/93	
4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol	EPA 8270 EPA 8270	ug/kg	1600	ND	04/03/93 04/03/93	JBF
4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol bis(2-Chloroethyl) ether	EPA 8270 EPA 8270 EPA 8270	ug/kg ug/kg ug/kg	1600 330 330	ND ND	04/03/93 04/03/93 04/03/93	JBP JBP
4-Nitrophenol 4,6-Dinitro-2-methylphenol Pentachlorophenol bis(2-Chloroethyl) ether 1,3-Dichlorobenzene	EPA 8270 EPA 8270 EPA 8270 EPA 8270	ug/kg ug/kg	1600 330	ND ND ND	04/03/93 04/03/93	JBP JBP JBP JBP

signed Paul Maffey

Date 04/12/93 Page 3

Lab Number : 93-5233-01 Project No. : 259-00424-01

?arameter	Method	J.1.1.6	~~		Date	
GC/MS ORGANIC ANALYSIS (A) RESU						
ois(2-Chloroisopropyl) ether	EPA 8270	ug/kg	330	ND	04/03/93	JI
Hexachloroethane	EPA 8270	ug/kg	330	ND	04/03/93	J
N-Nitrosodi-N-propylamine	EPA 8270	ug/kg	330	ND	04/03/93	J
Nitrobenzene	EPA 8270	ug/kg	330	ND	04/03/93	J
Isophorone	EPA 8270	ug/kg	330	ND	04/03/93	J
ois(2-Chloroethoxy) methane	EPA 8270	ug/kg	330	ND	04/03/93	J
1,2,4-Trichlorobenzene	EPA 8270	ug/kg	330	ND	04/03/93	J
Vaphthalene	EPA 8270	ug/kg	330	ND	04/03/93	J
I-Chloroaniline	EPA 8270	ug/kg	660	ND	04/03/93	J
Hexachlorobutadiene	EPA 8270	ug/kg	330	ND	04/03/93	J
2-Methylnaphthalene	EPA 8270	ug/kg	330	ND	04/03/93	J
Hexachlorocyclopentadiene	EPA 8270	ug/kg	330	ND	04/03/93	J
2-Chloronaphthalene	EPA 8270	ug/kg	330	ND	04/03/93	J
2-Nitroaniline	EPA 8270	ug/kg	660	ND	04/03/93	J
Dimethyl phthalate	EPA 8270	ug/kg	330	ND	04/03/93	J
Acenaphthylene	EPA 8270	ug/kg	330	ND	04/03/93	J
3-Nitroaniline	EPA 8270	ug/kg	1600	ND	04/03/93	J
Acenaphthene	EPA 8270	ug/kg	330	ND	04/03/93	J
Dibenzofuran	EPA 8270	ug/kg	330	ND	04/03/93	J
2,4-Dinitrotoluene	EPA 8270	ug/kg	330	מא	04/03/93	J
2,6-Dinitrotoluene	EPA 8270	ug/kg	330	ND	04/03/93	J
Diethyl phthalate	EPA 8270	ug/kg	1600	ND	04/03/93	J
Pluorene	EPA 8270	ug/kg	330	ND	04/03/93	J
4-Chlorophenylphenyl ether	EPA 8270	ug/kg	330	ND	04/03/93	J
4-Nitroaniline	EPA 8270	ug/kg	330	ND	04/03/93	J
N-Nitrosodiphenylamine	EPA 8270	ug/kg	330	ND	04/03/93	J
-Bromophenylphenyl ether	EPA 8270	ug/kg	330	ND	04/03/93	J
Hexachlorobenzene	EPA 8270	ug/kg	330	ND	04/03/93	J
Phenanthrene	EPA 8270	ug/kg	330	ND	04/03/93	J
Anthracene	EPA 8270	ug/kg	330	ND	04/03/93	J
Di-n-butyl phthalate	EPA 8270	ug/kg	330	ND	04/03/93	J
Pluoranthene	EPA 8270	ug/kg	330	ND ·	04/03/93	J
Pyrene	EPA 8270	ug/kg	330	ND	04/03/93	J
Butylbenzyl phthalate	EPA 8270	ug/kg	330	ND	04/03/93	J
Benzo(a)anthracene	EPA 8270	ug/kg	330	ND	04/03/93	J
3,3'Dichlorobenzidine	EPA 8270	ug/kg	660	ND	04/03/93	J
Chrysene	EPA 8270	ug/kg	330	ND	04/03/93	J
bis(2-Ethylhexyl) phthalate	EPA 8270	ug/kg	330	ND	04/03/93	J
Di-n-octyl phthalate	EPA 8270	ug/kg	330	ND	04/03/93	J
Benzo(b)fluoranthene	EPA 8270	ug/kg	330	ND	04/03/93	J
Benzo(k)fluoranthene	EPA 8270	ug/kg	330	ND	04/03/93	J
Benzo(a)pyrene	EPA 8270	ug/kg	330	ND	04/03/93	J
Indeno(1,2,3-cd)pyrene	EPA 8270	ug/kg	330	ND	04/03/93	J
Dibenzo(a,h)anthracene	EPA 8270	ug/kg	330	ND	04/03/93	J
Benzo(g,h,i)perylene	EPA 8270	ug/kg	330	ND	04/03/93	J

signed Paul Brafford

CHAIN OF CUSTODY RECORD

LAW ENVIRONMENTAL, INC.
NATIONAL LABORATORY
112 TOWNPARK DRIVE
KENNESAW, GEORGIA 30144
(404) 421-3306

SAMPLING	NAME OF FACILITY:	WONT GOMET	7 1/1/1/	A HUTO C
INFORMATION	STREET ADDRESS:	100 CHADO	Mashing C	MILE
	CITY / STATE: GRE	SAFENISSON	2	VQ ZIP

FOR LAB USE ONLY	93-01	DATE ! TIME			
10, 10, 10, 10, 10, 10, 10, 10, 10, 10,		COMPLETE SEGURITHE	ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SURPMENT TO LABORATORY. PINK COPY RETAINED BY SAMPLERS, YELLOW COPY RETAINED BY LABORATORY.	FTAUS VO	
		RELINGUISHED BY:	W COPIES ACCOMPANY SAMI BY SAMPLERS, VELLOW COI	SN TCLV Mi National Lab Use Only Inspected By:	
TOTAL NO. OF CONTAINERS	7 -	DATE / TIME		CENTRONMONTAL	
SAMPLE STATION DESCRIPTION		RECEIVED BY:	DISTRIBUTION:	For Law Are Custody Seals Intact? Yes	
5-93	So Duplica	BATE/TIME RE	ร	1	
SAMPLERS (SIGNATURE) SAMPLING DATE TIME RESERVENT SAMPLING DATE SAMPLING DATE TIME RESERVENT TIME RESERVENT MATRIX		REUNGUISHED BY	*MATRIX	SOIL / SEDIMENT SO OTHER - NA Are Custody Seals Present? Yes No	



LAW ENGINEERING

7347-F WEST FRIENDLY AVENUE, GREENSBORO, NC 27410

REPORT OF FIELD DENSITY TESTS

CLIENT:

MONTGOMERY WARDS

JOB NO.: 259-00424-01

PROJECT:

MONTGOMERY WARDS

GREENSBORO, NORTH CAROLINA

TEST NUMBER	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	PROCTOR NUMBER	COMPACTION (%)	SPECIFIED COMPACTION (%)	TEST METHOD	ELEVATION OR DEPTH
1 2	5.4 5.5	Tests 141.9 140.0	Performed 1 1	on 04/17/ 100+ 100	93 95 95	2 2	GRADE GRADE
	CATIONS:						
1 2		CAVATION CAVATION	BACKFILL BACKFILL				

TEST COMPARED TO:

PROCTOR NUMBER MAXIMUM DRY DENSITY (PCF) OPTIMUM MOISTURE (%) **REMARKS**

Performed In General Accordance With: 2 - ASTM D1556

1

139.3

8.1

RESPECTFULLY SUBMITTED:

Thomas C. PEGRAM, JR., E.I.T.

